

LNP™ THERMOCOMP™ UX05504 compound

Polyphthalamide
SABIC Innovative Plastics

Message:

LNP THERMOCOMP* UX05504 is a compound based on Polyphthalamide resin containing 35% Glass Fiber. Added feature of this material is: Heat Stabilized.

Also known as: LNP* THERMOCOMP* Compound UF-1007 HS S

Product reorder name: UX05504

General Information			
Filler / Reinforcement	Glass Fiber,35% Filler by Weight		
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.44	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	12.6	MPa	
Break	164	MPa	
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Flexural Stress	295	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength ¹ (23°C)	7.0	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength ² (23°C)	39	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ³ (1.8 MPa, Unannealed, 64.0 mm Span)	260	°C	ISO 75-2/Af
Injection	Nominal Value	Unit	
Drying Temperature	121 to 149	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.15	%	
Rear Temperature	310 to 321	°C	
Middle Temperature	316 to 327	°C	
Front Temperature	327 to 338	°C	
Processing (Melt) Temp	316 to 332	°C	
Mold Temperature	138 to 166	°C	
Back Pressure	0.172 to 0.344	MPa	
Screw Speed	30 to 60	rpm	
NOTE			

1.	80*10*4
2.	80*10*4
3.	80*10*4 mm

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

